

Flu Watch

MMWR Week 48: November 25 to December 1, 2018

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **local activity** this week. This is the **second** consecutive week at local activity.

Influenza Activity



Overall, there was **no change** in influenza activity this week.

Regional Influenza Activity



Increase



No change



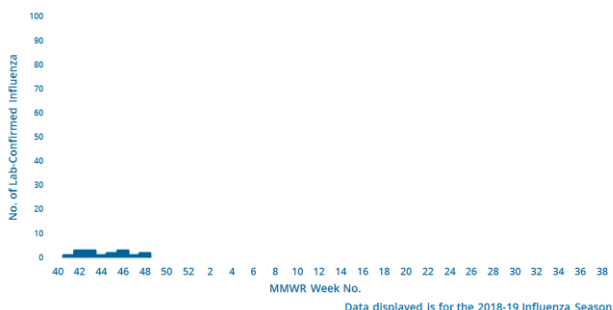
No change



No change

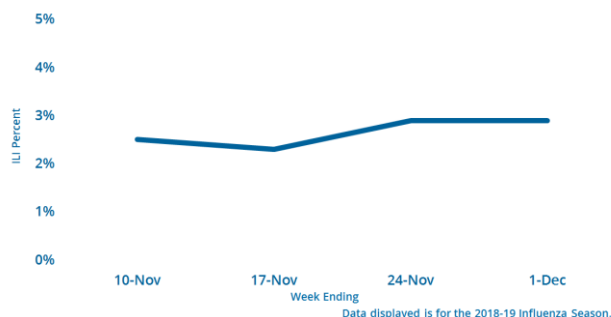
Virologic Surveillance

This week there were **2** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **16** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.97%**, which is below South Carolina's baseline (**3.53%**). The ILI activity level overall was **moderate**.



Influenza-Associated Hospitalizations

This week **24** influenza-associated hospitalizations were reported by **57** hospitals. The cumulative hospitalization rate is **2.5 per 100,000**. In the current flu season, there have been **127** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **3** influenza-associated death were reported; however, one death occurred in a previous week. The cumulative mortality rate is **0.1 per 100,000**. In the current flu season, there have been **6** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

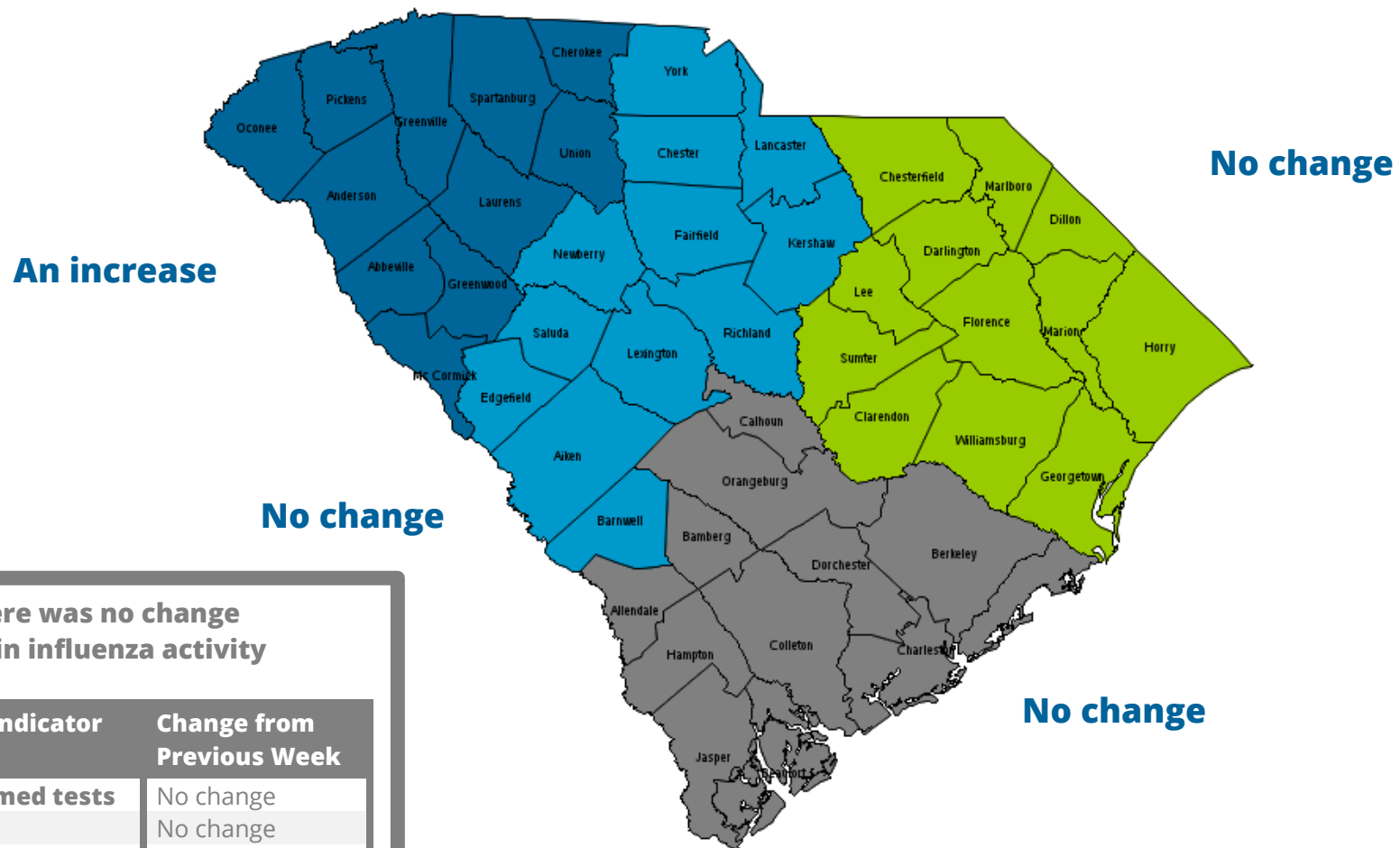
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change statewide in influenza activity

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	No change
Hospitalizations	No change

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

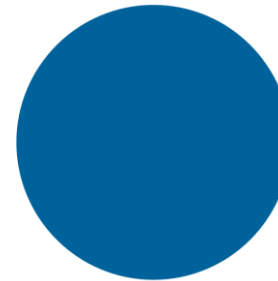
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	2	16	85	9	41
Influenza A	2 (100)	14(87.5)	72(84.7)	7(77.8)	36(87.8)
A(H3)	--	2(14.2)	23(31.9)	3(42.9)	12(33.3)
A(H1N1)	--	6(42.9)	3(4.2)	--	10(27.8)
A(NS)*	2(100)	6(42.9)	46(63.9)	4(57.1)	14(38.9)
Influenza B	0	2(12.5)	13(15.3)	2(22.2)	5(12.2)
B (Victoria)	--	--	--	--	0
B (Yamagata)	--	--	3(23.1)	--	0
B (LND)+	--	2(100)	10(76.9)	2(100)	5(100)

*NS - not subtyped

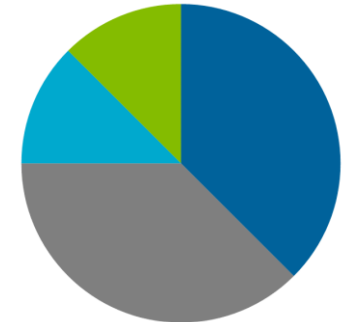
+LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

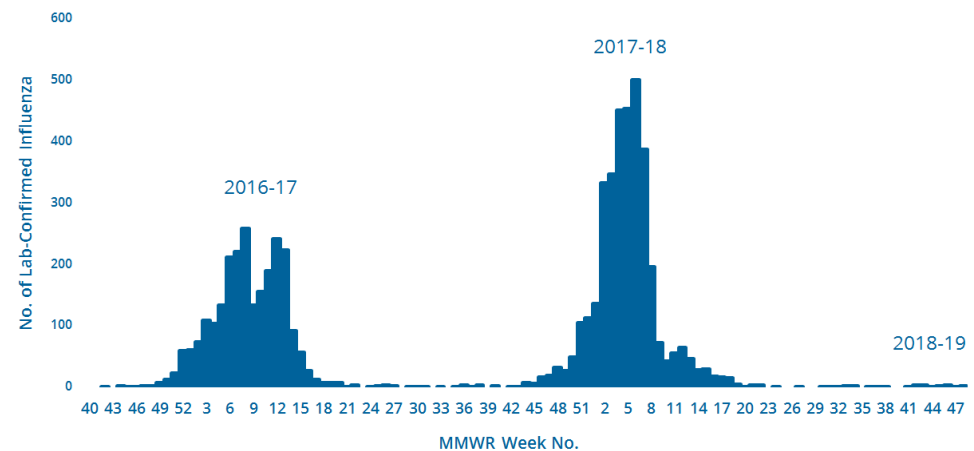
Week ending 12/1



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



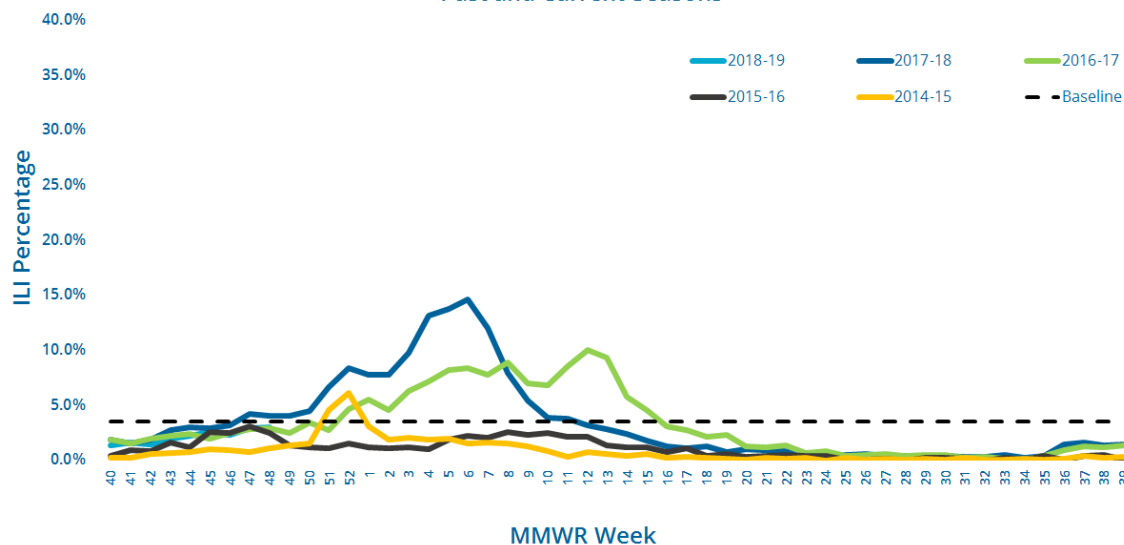
Influenza-Like Illness Surveillance

This week, the ILI activity level was **moderate** and **2.97%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

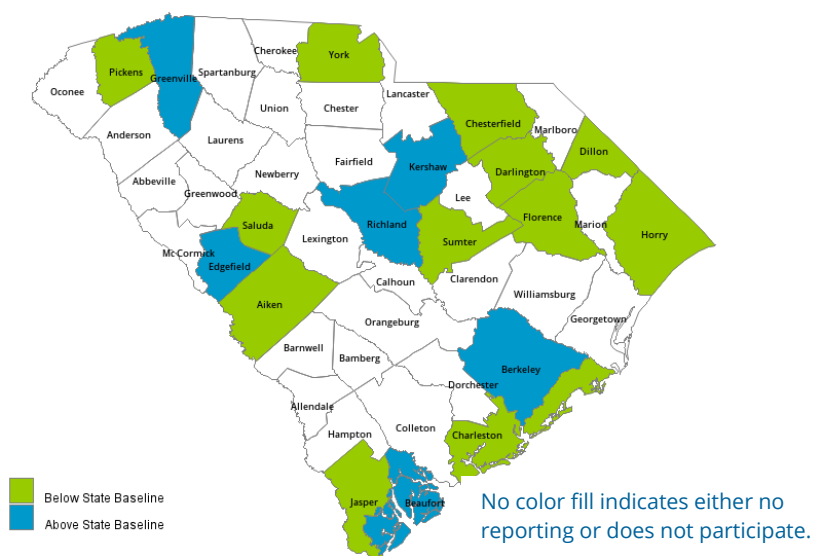
Reports were received from providers in 18 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

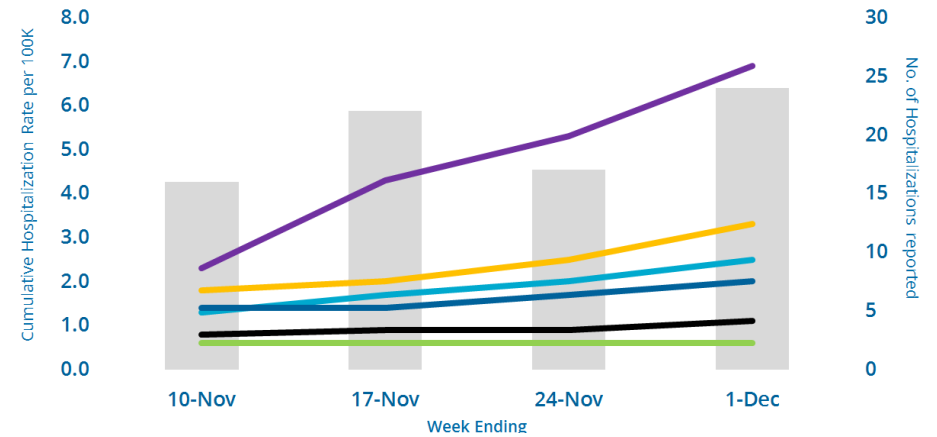
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	24(0.5)	1(0.3)	--	2(0.1)	7(0.7)	14(1.6)
2018-19	127(2.5)	6(2.0)	5(0.6)	23(1.1)	33(3.3)	60(6.9)
2017-18	142(2.8)	6(2.0)	4(0.5)	17(0.8)	27(2.7)	88(10.1)
2016-17	56(1.1)	1(0.3)	1(0.1)	16(1.6)	15(1.5)	31(3.7)
5 season average	139(2.8)	13(4.5)	10(1.2)	25(1.3)	34(3.5)	57(7.1)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	2(0.0)	--	--	1(0.0)	--	1(0.1)
2018-19	6(0.1)	1(0.3)	--	1(0.0)	--	4(0.5)
2017-18	8(0.2)	--	--	--	1(0.1)	7(0.8)
2016-17	3(0.1)	--	--	1(0.0)	--	2(0.2)
5 season average	6(0.1)	0	0	1(0.0)	1(0.1)	4(0.3)



Influenza-Associated Deaths by Region

